

U.S.S.N. 08/444,934  
Filed: May 22, 1995  
AMENDMENT

**Remarks**

The claims have been amended to recite "fragment" (support is found in the application at page 17, line 11). Claim 36 has been amended to recite "heterologous" fusion (support is found at page 11, line 31; page 12, line 22).

Respectfully submitted,



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**APPENDIX: Marked Up Copy of Claims**

4. (five times amended) Purified human tissue factor [protein] fragment expressed from a nucleotide molecule encoding a tissue factor selected from the group consisting of tissue factor having an amino acid sequence as provided in Figure 2 from at least amino acid residue one to at least amino acid residue 219, and human tissue factor having an amino acid sequence as provided in Figure 2 from at least amino acid residue one to at least amino acid residue 219 wherein an amino acid residue at an N- or O-glycosylation site is substituted, wherein the tissue factor has activity in a clotting assay with human plasma.

5. (twice amended) The tissue factor [protein] fragment of claim 4 wherein the nucleotide molecule does not encode the transmembrane domain defined by amino acids 220 to 243 as provided in Figure 2.

6. (four times amended) The tissue factor [protein] fragment of claim 4 wherein the nucleotide molecule encodes a tissue factor having an amino acid sequence as provided in Figure 2 from amino acid residue one to amino acid residue 219.

8. (four times amended) The tissue factor [protein] fragment of claim 4 [having an amino acid sequence as provided in Figure 2 and] expressed in a recombinant non-human host cell.

20. (four times amended) A soluble isolated tissue factor fragment expressed from a nucleotide molecule encoding tissue factor in a recombinant non-human host cell, the tissue factor having the amino acid sequence shown in Figure 2 from amino acid one to an amino acid

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residue between amino acid residues 219 and amino acid residue 263, wherein the tissue factor has activity in a clotting assay.

21. (amended) The tissue factor fragment of claim 20 which is not glycosylated.

23. (amended) The tissue factor fragment of claim 20 having an amino acid sequence of Figure 2 from between amino acid one and between residues 220 and 263.

24. (twice amended) [A] The tissue factor fragment [comprising the amino acid sequence shown in Figure 2] of claim 20 wherein the cysteine residues are substituted with other amino acids.

25. (twice amended) [A] The tissue factor fragment of claim 20 [comprising the amino acid sequence shown in Figure 2] wherein the potential proteolysis sites are deleted by replacing the amino acids with glutaminy or histidyl residues or deleting one of the basic residues.

27. (twice amended) The [recombinant] human tissue factor fragment of claim 20 expressed in a host cell selected from the group consisting of procaryotic cells, non-human animal cells, insect cells, plant cells, and yeast, having activity in a clotting assay.

28. (amended) The [recombinant] human tissue factor fragment of claim 27 which is not glycosylated.

Please cancel claim 29.

31. (amended) Recombinant human tissue factor [protein] fragment expressed from a nucleotide sequence encoding an amino acid sequence comprising from amino acid residue one

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to amino acid residue 219 as provided in Figure 2, wherein the tissue factor protein has activity in a clotting assay with human plasma.

32. (amended) The recombinant human tissue factor [protein] fragment of claim 31 wherein the nucleotide sequence does not encode the transmembrane domain of human tissue factor.

33. (amended) The recombinant human tissue factor [protein] fragment of claim 32 wherein the nucleotide sequence does not encode the amino acid sequence from amino acid residue 220 to amino acid residue 243 as provided in Figure 2.

34. (amended) The recombinant human tissue factor [protein] fragment of claim 31 which is not glycosylated.

35. (amended) The recombinant human tissue factor [protein] fragment of claim 31 which is expressed in a host cell selected from the group consisting of procaryotic cells, non-human animal cells, insect cells, plant cells, and yeast.

36. (amended) The recombinant human tissue factor [protein] fragment of claim 31 which includes an heterologous amino or carboxyl terminal fusion.

Please cancel claim 37.

38. (amended) The recombinant tissue factor fragment of claim 31 wherein the cysteine residues are substituted with other amino acids.

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39. (amended) The recombinant tissue factor fragment of claim 31 wherein the potential proteolysis sites are deleted by replacing the amino acids with glutaminyI or histidyl residues or deleting one of the basic residues.

40. (amended) The recombinant tissue factor fragment of claim 31 wherein a residue at an N- or O-glycosylation site is substituted or deleted.

41. (amended) Recombinant human tissue factor [protein] fragment comprising an amino acid sequence from amino acid residue one to amino acid residue 219 as provided in Figure 2, wherein the tissue factor protein has activity in a clotting assay with human plasma.

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